	PE 407	AND TRADEMARK OFFICE	UNITED STATES DEPAR United States Hent and Address: COMMISSIONER F P.O. Box 1450 Alexandria, Virginia 22: www.uspto.gov	OR PATENTS
APPLICATION NO.	DATE DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781,173	02/18/2004	Gustavo C. Rodriguez	31140C	1808
7590 09/14/2007 Raymond N. Nimrod Roper & Quigg Suite 1000 200 South Michigan Avenue Chicago, IL 60604			EXAMINER GEMBEH, SHIRLEY V	
			ART UNIT	PAPER NUMBER
			1614	<u> </u>
			MAIL DATE	DELIVERY MODE
			09/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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70 70	Application No.	Applicant(s)				
(SEP 2 6 2007	10/781,173	RODRIGUEZ ET AL.				
Office Action Summary	Examiner	Art Unit				
	Shirley V. Gembeh	1614				
The MAILING DATE of this communication appe Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA Extensions of time may be available under the provisions of 37 CFR 1.136 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period wil Failure to reply within the set or extended period for reply will, by statute, of the comply received by the Office later than three months after the mailing of the earned patent term adjustment. See 37 CFR 1.704(b).	TE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim Il apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	J. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>25 Jur</u>	ne 2007.					
· · · · · · · · · · · · · · · · · · ·	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims		•				
_		• •				
4)⊠ Claim(s) <u>35-90</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.		•				
6)⊠ Claim(s) <u>35-90</u> is/are rejected.						
7) Claim(s) is/are objected to.						
* 8)☐ Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.		•				
· — · · · · · · · · · · · · · · · · · ·	oted or b) objected to by the E	Examiner.				
Applicant may not request that any objection to the dr						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
Copies of the certified copies of the priority	y documents have been receive	d in this National Stage				
application from the International Bureau ((PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.						
	,					
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)						
Paper No(s)/Mail Date	6) Other:					

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DETAILED ACTION

The response filed 6/25/07 presents remarks and arguments to the office action mailed 1/27/07. Applicants' request for reconsideration of the rejection of claims in the last office action has been considered.

Applicants' arguments, filed, have been fully considered but they are not deemed to be persuasive. Rejections and/or objections not reiterated from previous office actions are hereby withdrawn. The following rejections and/or objections are either reiterated or newly applied. They constitute the complete set presently being applied to the instant application.

Status of claims

Claims 35-90 are pending.

Claims 1-34 are cancelled.

Maintained Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 35-51 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contain new subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

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The term "less than frequently" is new matter. Specifically, at page 16, lines 24-25, there is a recitation "on a monthly or less than monthly" but not "less than frequently". Applicant argues that the specification states the invention (claims 35-51) "can include daily or other periodic administration of vitamin D compounds".

This however, is not viewed so, because, the phrase "less than frequently" does not apprise the skilled artisan of what "less than frequently" constitute. convey to the skilled artisan how to determine less frequently compared to a daily basis. Applicant's arguments have been fully considered but they are not persuasive for the reasons given above.

Maintained Claim Rejections - 35 USC § 112-second

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 31-36, 43-45, 52-54, 61-64, 71-74 and 82-84 remain rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

What is the lower dosage required for vitamin D to effect increase apoptosis? And the dosage that is required without inducing deleterious hypercalcemic side effects?

Applicant argues that there are ways that are well known in the art for measuring apoptosis.

This is found unpersuasive. The dosage required to increase apoptosis without inducing hypercalcemic side effect is still missing.

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Claim 35-90 remain rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

How is "less frequently than daily" defined? It is interpreted that less frequently than daily can mean once every other day, once a week, once every other month, once a year or a laundry list of other variations.

Applicant argues that a person skilled in the art would understand that the phrase "less frequently than daily" means that the vitamin D compound is not administered on a daily basis.

In response, Examiner disagrees. The recitation "less frequently than daily" can mean once every other day, once a week, once every other month, once a year or a laundry list of other variations. Because some medications are administered once a month, is "less frequently than daily" considered once a week etc.? Careful consideration has been given to Applicant's remarks but found unpersuasive. Less frequently than daily is vague and indefinite. A doctor would never tell a patient to take a medication less frequently. There are time constraints when administering drugs.

No claims allowed.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shirley V. Gembeh whose telephone number is 571-272-8504. The examiner can normally be reached on 8:30 -5:00, Monday- Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ardin Marschel can be reached on 571-272-0718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SVG 9/5/07

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